CLAIMS

1. A nozzle arrangement for an inkjet printhead, the nozzle arrangement including:

(a) a nozzle chamber for holding ink;

(b) a passive anchor and an active anchor extending from respective anchor points;

(c) a moveable structure including a portion in fluid communication with the ink chamber, the moveable structure being connected to the passive and active anchors at connection points distal the respective anchor points such that actuation of the active anchor causes displacement of the portion with respect to the ink chamber;

(d) a fluid ejection port in fluid communication with the ink chamber for enabling ejection of ink from the chamber by the portion upon actuation of the active anchor;

wherein the anchor point of at least one of the active and passive anchors is positioned between the nozzle chamber and the connection points.

2. A nozzle arrangement according to claim 1, wherein upon actuation, the moveable structure is moved within a first action plane.

3. A nozzle arrangement according to claim 2, wherein the movement includes a rotational component.

4. A nozzle arrangement according to claim 1, wherein the active anchor is a thermal actuator configured to expand due to self-heating when a current is passed therethrough.

5. A nozzle arrangement according to claim 4, wherein the active anchor is a thermal bend actuator.

6. A nozzle arrangement according to claim 1, including at least two of the passive anchors.

7. A nozzle arrangement according to claim 1, including at least two of the active anchors.

8. A nozzle arrangement according to claim 1, wherein the moveable structure is supported at least in part by the passive and active anchors.

9. A nozzle arrangement according to claim 8, wherein ink in the chamber provides fluidic support to the moveable structure by way of surface tension and/or fluid pressure.

10. A nozzle arrangement according to claim 2, wherein the active anchor is configured to supply, upon actuation, a compressive force between its anchor point and connection point.

11. A nozzle arrangement according to claim 10, wherein the compressive force is supplied substantially parallel to the plane.

12. A nozzle arrangement according to claim 10, wherein the active and passive anchors are configured to bend during actuation of the active anchor due to a change in relative lengths as a result of thermal expansion of the active anchor, the bending contributing to a rotational component of movement of the moveable structure.

13. A nozzle arrangement according to claim 1, wherein the fluid ejection port is disposed in the portion.

14. A nozzle arrangement according to claim 13, wherein the portion is configured to move towards the nozzle chamber upon actuation of the active anchor, thereby causing an increase in pressure in fluid within the nozzle chamber and corresponding expulsion of fluid from the chamber through the fluid ejection port.

15. A nozzle arrangement according to claim 1, where the fluid ejection port is disposed in a roof portion of the nozzle chamber and the portion being spaced away from the fluid ejection port prior to actuation, the nozzle arrangement being configured such that, upon actuation of the active anchor, the portion is urged towards the fluid ejection port, thereby causing fluid to be ejected from the nozzle chamber through the fluid ejection port.